



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	New Jersey State LTAP Technology Transfer Center (FHWA) 2008		
RFP NUMBER:		NJDOT RESEARCH PROJECT MANAGER: W. Lad Szalaj	
TASK ORDER NUMBER: TO 230 / Acct 4-30745		PRINCIPAL INVESTIGATOR: Dr. Ali Maher	
Project Starting Date: 01/01/2009 Original Project Ending Date: 12/31/2009		Period Covered: 1 st Quarter 2009	

Task #	Task	% of Total	Fixed Budget	% of Task this quarter	Cost this quarter	% of Task to date	Total cost to date
1	Mobilization		\$ -	0.00%	\$ -	0.00%	\$ -
2	Safety Focus Area	23.76%	\$ 73,264	40.00%	\$ 29,306	40.00%	\$ 29,306
3	Infrastructure Management Focus Area	26.63%	\$ 67,289	30.00%	\$ 20,187	30.00%	\$ 20,187
4	Workforce Development Focus Area	25.21%	\$ 55,290	20.00%	\$ 11,058	20.00%	\$ 11,058
5	Organizational Excellence	24.40%	\$ 44,157	25.00%	\$ 11,039	25.00%	\$ 11,039
6		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
7		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
8		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
9		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
10		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
11		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
12		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
13		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
14		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
15		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
16		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
17		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
18		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
19		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
20		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
	TOTAL	100.00%	\$ 240,000		\$ 71,590		\$ 71,590

Blue text is entered once at the beginning of the project

Green text is updated ever quarter

Black text is automatically updated or static



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Project Objectives:

The New Jersey Local Technical Assistance Program (LTAP) has a mission to become an information clearinghouse to foster a safe, efficient, environmentally sound transportation system by improving the skills and knowledge of the transportation industry through technology transfer activities, such as training, technical assistance and dissemination of resources.

The objectives of this project are to continue to diversify and expand the customer base, deliver quality customer service, communicate the program values to partners and clients, and enhance the technology transfer network, through the activities of the New Jersey Local Technical Assistance Program (LTAP).

Project Abstract:

The Center for Advanced Infrastructure and Transportation (CAIT), located at Rutgers University, is submitting this proposal for the continuation of the New Jersey Local Technical Assistance Program (NJ LTAP). NJ LTAP will conduct technology transfer activities that include the dissemination of information through a monthly newsletter, conducting training programs, and administering clearinghouse activities. This ongoing effort provides public works, engineering, planning, and law enforcement employees with training and information in the areas of design, maintenance, inspection, supervision, employee development, and other transportation related subjects. NJ LTAP will also support and provide services to the transportation research community in cooperation with the New Jersey Department of Transportation.

Recently, FHWA has revised the LTAP/TTAP focus areas and performance measures to better reflect a continuous cycle of improvement. Performance measures, formerly known as tasks, will be used in 2009 to assess safety, workforce development, infrastructure management, and organizational excellence. This approach will provide an opportunity to continually reassess the customer base and value in each focus area.



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Center Name: New Jersey Local Technical Assistance Program

Reporting Period: January 1, 2009 to March 31, 2009

Program Dashboard

Total number of training sessions:	<u>40</u>
Total number of participants:	<u>1,916</u>
Total number of participant hours:	<u>15,185.5</u>
Total newsletter circulation:	<u>11,439</u>
Total number of LTAP/TTAP FTEs:	<u>2.5</u>

Training Data

Safety

The Safety metric is divided into 2 categories: Highway Safety and Worker/Workplace Safety. Count the training your center conducted or had responsibility for conducting, such as training co-sponsored with a partner.

Highway and Worker Safety

Session Name	Session Length [hours]	Total # of Sessions	Total # of participants					Total # of Participants	Total Participant Hours
			Local	Tribal	State	Federal	Other		
Work Zone Safety Awareness Program	6	3	4		30		75	109	654
Safe Passages Conference	7	1	177		62	5	45	289	2,023
Traffic Control Coordinator Program	32	7	3		33		146	182	5,824
Traffic Control Coordinator Refresher Workshop	4	1	1				46	47	188
Road Safety Audit for Locals Workshop	7	1	14				11	25	175
Municipal Engineering Work Zone Safety	2	2	11				23	32	64



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NJTR-1 Motor Carrier Refresher	4.5	3	78		27			105	472.5
Signal Warrants at Intersections Near Highway-Railroad Grade Crossings	1.5	1	5		2		70	63	94.5
TOTAL	63	19	293		154	5	416	852	9,516

Infrastructure Management

Session Name	Session Length [hours]	Total # of Sessions	Total # of participants					Total # of Participants	Total Participant Hours
			Local	Tribal	State	Federal	Other		
Asphalt Plant Technician Level One	36	1			11		8	19	684
Asphalt Plant Superpave Technician Level Two	32	1			9		9	18	576
Sustainable Transportation in a Changing Environment	4	1			79		13	92	368
Municipal Engineering Underground Conduit Construction	3	2	11				23	34	102
Municipal Engineering Embankment, Subgrade and Foundations	3	2	11				23	34	102
Municipal Engineering Asphalt Construction	3	2	11				23	34	102
Municipal Engineering Portland Cement Concrete	3	2	11				23	34	102
Rutgers Annual Paving Conference	5	2						500	2,500
An Overview of the Port Authority's Plan to redevelop Stewart Airport	1.5	1	3		4		24	31	46.5
Design of Transit-Oriented Developments	1.5	1	5		5		68	78	117
TOTAL	92	15	52		88		214	874	4,699.5



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Workforce Development

Session Name	Session Length [hours]	Total # of Sessions	Total # of participants					Total # of Participants	Total Participant Hours
			Local	Tribal	State	Federal	Other		
Municipal Engineering Contract Documents	7	1	11				23	34	238
Municipal Engineering Regulatory Agencies	4	2	11				21	32	128
Municipal Engineering Inspection Records and Duties	3	2	11				23	34	102
Supply Chain Management Career Primer	7	1						76	532
TOTAL	21	6	33				87	176	1,000

Newsletter / Published Resources Data

Circulation

Name of Newsletter	Circulation				
	Local	Tribal	State	Federal	Other
LTAP E-News	1,860	8	920	161	764

Number of Articles per Focus Area

Newsletter Issue	Safety			Workforce Development	Infrastructure Management
	Highway	Worker	Work Zone		
Volume 11, Number 01	3			2	5
Volume 11, Number 02	1	1	1	2	2
Volume 11, Number 03	2	1	1	2	4



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Materials Distribution Data

Material Types	Safety			Workforce Development	Infrastructure Management
	Highway	Worker	Work Zone		
Publications	380		1460	132	723
CDs	250				
Videotapes					
DVDs					
Downloads					
Others [insert]					
TOTAL:					

Technical Assistance Data

Estimate the total percentage of time spent by your Center staff providing technical assistance during the past quarter: **40%**

Activities Related to Program Stakeholders

Organization	Activities					
	# of times center distributed information for this organization (mail, e-mail, fax, etc.)	# of joint training sessions	# of joint conferences	# of joint special programs	# of articles reprinted in LTAP/TTAP newsletters from this organization	# of center staff participating in national program efforts
National Stakeholders						
FHWA (HQ, Resource Center)	8				5	2
AASHTO					1	1
NACE	2				2	1
APWA	2				7	1
TRB						1
Salt Institute						1
State/Local Stakeholders						
FHWA Division						2
State DOT/govt	1	14		1		3



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AASHTO Chapter						
NACE Chapter						1
APWA Chapter	4					1
ITE						2
Other Stakeholders						
NJ Society of Municipal Engineers	2	12				2
NJ Div of Highway Traffic Safety	2		1		1	2
NJ Asphalt Pavement Assoc.	2		1			1
NJ WZS Partnership		14			1	2

1. Progress this quarter by task, with specific deliverables:

A. Safety Focus Area

19 Workshops
2,090 Resources Distributed

B. Infrastructure Management Focus Area

15 Workshops
723 Resources Distributed

C. Workforce Development Focus Area

6 Workshops
132 Resources Distributed



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D. Organizational Excellence

Transportation Research Board Meeting	January 11-12, 2009
National LTAP Association Winter Meeting	January 11, 2009
NLTAPA Executive Committee Meeting	January 11, 2009
NLTAPA Safety Work Group Conference Call	January 11, 2009
TRB Tech Transfer Committee Meeting	January 12, 2009
NJ Work Zone Safety Partnership Meeting	January 15, 2009
County & Municipal Traffic Engineers Association Meeting	February 3, 2009
NLTAPA Executive Committee Meeting	February 9, 2009
Exhibit at Safe Passages Conference	February 10, 2009
APWA NJ Chapter Annual Meeting	February 11, 2009
NJ Association of County Engineers Meeting	February 20, 2009
NLTAPA Conference Committee Conference Call	February 26, 2009
NLTAPA Safety Work Group Conference Call	March 9, 2009
NLTAPA Executive Committee Meeting	March 16, 2009
APWA NJ Chapter Annual Meeting	March 18, 2009
NJ Association of County Engineers Meeting	March 20, 2009
Course/Workshop Evaluations	Ongoing
Technical Assistance	Ongoing
New Website Launch	January 2009
Online Registration System Pilot	February 2009

2. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

3. Problems/Proposed Solutions:

Year 1 Budget	\$240,000
Years 1 & 2 Cumulative Budget	
Years 1, 2 & 3 Cumulative Budget	
Total Project Budget	\$240,000
Modified Contract Amount:	\$
Total Project Expenditure to date	\$71,590
% of Total Project Budget Expended	29.83%

NJDOT Research Project Manager Concurrence: _____ Date: _____

100 BRETT RD. PISCATAWAY NJ 08854-8058
TEL: 732-445-0579 FAX: 732-445-3325



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Project Starting Date: 01/01/2009 Original Project Ending Date: 12/31/2009 Modified Completion Date:		Period Covered: 1 st Quarter 2009	

Task #	Task	% of Total	Fixed Budget	% of Task this quarter	Cost this quarter	% of Task to date	Total cost to date
1	Mobilization		\$ -	0.00%	\$ -	0.00%	\$ -
2	Safety Focus Area	23.76%	\$ 10,000	40.00%	\$ 4,000	40.00%	\$ 4,000
3	Infrastructure Management Focus Area	26.63%	\$ 10,000	30.00%	\$ 3,000	30.00%	\$ 3,000
4	Workforce Development Focus Area	25.21%	\$ 10,000	20.00%	\$ 2,000	20.00%	\$ 2,000
5	Organizational Excellence	24.40%	\$ 10,000	25.00%	\$ 2,500	25.00%	\$ 2,500
6		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
7		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
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11		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
12		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
13		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
14		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
15		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
16		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
17		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
18		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
19		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
20		0.00%	\$ -	0.00%	\$ -	0.00%	\$ -
	TOTAL	100.00%	\$ 40,000		\$ 11,500		\$ 11,500

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Municipal Engineering Asphalt Construction	3	2	11				23	34	102
Municipal Engineering Portland Cement Concrete	3	2	11				23	34	102
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Workforce Development

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Technical Assistance Data

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National Stakeholders						
FHWA (HQ, Resource Center)	8				5	2
AASHTO					1	1
NACE	2				2	1
APWA	2				7	1
TRB						1
Salt Institute						1
State/Local Stakeholders						
FHWA Division						2
State DOT/govt	1	14		1		3



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AASHTO Chapter						
NACE Chapter						1
APWA Chapter	4					1
ITE						2
Other Stakeholders						
NJ Society of Municipal Engineers	2	12				2
NJ Div of Highway Traffic Safety	2		1		1	2
NJ Asphalt Pavement Assoc.	2		1			1
NJ WZS Partnership		14			1	2

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2. Progress on Implementation and Training Activities:

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3. Problems/Proposed Solutions:

Year 1 Budget	\$40,000
Years 1 & 2 Cumulative Budget	
Years 1, 2 & 3 Cumulative Budget	
Total Project Budget	\$40,000
Modified Contract Amount:	\$
Total Project Expenditure to date	\$11,500
% of Total Project Budget Expended	28.75%

NJDOT Research Project Manager Concurrence: _____ Date: _____

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